

MINTRA RUENSUK

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[Google Scholar](#)
[Github](#)
[LinkedIn](#)

RESEARCH INTERESTS

Human-Computer Interaction (HCI), Human-Centered Design (HCD), Affective Computing, Software Engineering

EDUCATION

2017 - present **Ph.D. in Design Engineering** (Human-Computer Interaction)
Ulsan National Institute of Science and Technology (UNIST), Republic of Korea
Thesis: Detecting Salient Emotional States During Real-world Social Media Use
Using Smartphone Sensors
Advisor: [Ian Oakley](#) and [Hwajung Hong](#)

2010 - 2012 **M.Sc. in Computer Science** (with specialization in Software Engineering)
Asian Institute of Science and Technology (AIT), Thailand
Thesis: Voice, Gesture, and Web Interfaces for Human-Robot Interaction in Service
Environments
Advisor: [Matthew N. Dailey](#)
Committee: Masahiko Nagai and Stanislav S. Makhanov

2005 - 2009 **B.Sc. in Information Technology** (First-class honors, rank 1/120)
Mahanakorn University of Technology (MUT), Thailand
Senior project: Information Technology Jobs Matching By Groovy on Grails
Advisor: Suthep Vichiendilokkul

EXPERIENCE

09/2017 - present **PhD Researcher**
UNIST and Seoul National University, Republic of Korea

09/2020 - present **Lead Software Engineer** (Part-time)
Perception | Holographic Computer Startup, Thailand

07/2015 - 08/2017 **Lecturer / Acting Head of Department**
Department of Information Technology, Stamford International University, Thailand

08/2016 - 12/2016 **Visiting Lecturer**
Faculty of Engineering, Thammasat University of Technology, Thailand

12/2014 - 06/2015 **Lecturer**
Department of Computer Science, Rajamangala University of Technology Thanyaburi, TH

06/2012 - 06/2015 **Senior Software Engineer**
Think Blue Data, Thailand

08/2010 - 06/2012 **Research Assistant**
Asian Institute of Science and Technology, Thailand

05/2009 - 08/2010 **Lecturer**
Faculty of Information Science and Technology, Mahanakorn University of Technology, TH

03/2008 - 05/2008 **Java Programmer Student Intern**
XPLink, Thailand

PRIZES, AWARDS, AND FELLOWSHIPS

08/2020 **First Place Winner** (*contributed as a Web Master of Bangkok ACM SIGCHI Chapter*)
2020 SIGCHI Chapter Website Competition

07/2019 **ACM SIGCHI travel grant**
\$800 travel grant for attending the Summer School on Write a paper for CHI 2021, India

05/2019 **ACM SIGCHI Student Travel Grant (SSTG)**
Conference registration waiver and \$1,800 travel grant for attending CHI'19, UK

05/2019	Student Design Competition (<i>advance to the second round</i>) ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'19), UK
04/2019	Outstanding Poster Presentation Award SIGCHI Korea Local Chapter at Daejeon, Republic of Korea
10/2018	ACM SIGCHI Student Travel Grant (SSTG) Conference registration waiver and \$600 travel grant for attending Ubicomp'18, Singapore
2017 - 2021	UNIST CDE Scholarship 4 years awarded for tuition and stipend for Ph.D. studies
2010 - 2012	Royal Thai Government Fellowship 2 year awarded for tuition for graduate studies
2005 - 2009	Mahanakorn University of Technology Scholarship for Outstanding Students 4 year awarded for tuition for undergraduate studies

VOLUNTEER EXPERIENCE

07/2020	Web Master Bangkok ACM SIGCHI Chapter
05/2019	Student Volunteer ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'19), UK
10/2018	Student Volunteer ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'18), Singapore

JOURNAL AND CONFERENCE PAPERS

[J.1]	2020	Mintra Ruensuk , Eunyong Cheon, Hwajung Hong, and Ian Oakley. 2020. How Do You Feel Online: Exploiting Smartphone Sensors to Detect Transitory Emotions during Social Media Use. Proc. ACM Interact. Mob. Wearable Ubiquitous Technol (IMWUT, Ubicomp). 4, 4, Article 150 (December 2020), 32 pages. DOI: https://doi.org/10.1145/3432223 (Rank A* in HCI)
[C.3]	2020	Taewan Kim, Mintra Ruensuk , Hwajung Hong. 2020. In Helping a Vulnerable Bot, You Help Yourself: Designing a Social Bot as a Care-Receiver to Promote Mental Health and Reduce Stigma. In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI'20). DOI: https://doi.org/10.1145/3313831.3376743 . (Rank A* in HCI)
[C.2]	2019	Sanghyun Ma, Mintra Ruensuk , Chajoong Kim. 2019. Design interventions for promoting the mental health of young academics. In Proceedings of the Design Society: International Conference on Engineering Design (ICED19). DOI: https://doi.org/10.1017/dsi.2019.95
[C.1]	2016	Mintra Ruensuk . 2016. An implementation to reduce internal/external interruptions in Agile software development using Pomodoro Technique. In Proceedings of 15th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2016). Okayama, Japan, 669 - 672. DOI: https://doi.org/10.1109/ICIS.2016.7550835

POSTERS, EXTENDED ABSTRACTS AND WORKSHOP PAPERS

[P.3]	2019	Mintra Ruensuk , Hyunmi Oh, Eunyong Cheon, Hwajung Hong, Ian Oakley. 2019. Detecting negative emotions during social media use on smartphones. In Proceedings of Asian CHI Symposium 2019: Emerging HCI Research Collection (AsianHCI '19). DOI: https://doi.org/10.1145/3309700.3338442
[P.2]	2019	Mintra Ruensuk , Jayeong Yoon, and Choeun Park. 2019. Amor: Supporting Emerging Adult Couples to Manage Finances for a Common Goal. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19). (13% acceptance) DOI: https://doi.org/10.1145/3290607.3309688
[W.1]	2018	Mintra Ruensuk . 2018. Detecting Emotions using Smartphone Sensors: Technique to Raise Self-Awareness for Social Media Users. In Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers (UbiComp '18). DOI: https://doi.org/10.1145/3267305.3277825
[P.1]	2017	Sirisilp Kongsilp, Mintra Ruensuk , Matthew N. Dailey, and Takashi Komuro. 2017. Tablet fish tank virtual reality: a usability study. In Proceedings of the 27th International Conference on Artificial Reality and Telexistence and 22nd Eurographics Symposium on Virtual Environments: Posters and Demos

NATIONAL CONFERENCE PAPERS

- [N.2] 2015 **Mintra Ruensuk**, Buraskorn Yoosuka and Pongpol Nilaphruek. A Special Capstone Course for Exchange Students on Agile Software Development Using Scrum Methodology, in PKRU Conference on Development of New and Innovation Research for the AEC.
- [N.1] 2010 **Mintra Ruensuk**, Woraphon Lilakiatsakun. Information Technology Jobs Matching By Groovy on Grails, in Proceedings of Conference on Electrical Engineering/Electronics Computer Telecommunications and Information Technology (ECTI-CARD'2010)

TEACHING

- 2015 - 2017 **Stamford International University** (Courses entirely taught in English)
- ITE445 Mobile Games Development
 - ITE442 Database Management Systems
 - ITE343 Mobile Application Development (iOS and Android)
 - ITE337 Content Management Systems
 - ITE321 System Analysis, Design and Implementation
 - ITE245 Human-Computer Interaction
 - ITE235 Mobile and Computer Architecture
 - ITE233 Application Development
 - ITE222 Programming II
 - ITE221 Programming I
 - ITE220 Web Development II
 - ITE120 Web Development I
 - ITE101 Introduction to Information Technology
- 2016 **Thammasat University**
- SF-333 Mobile Application Development (iOS)
- 2010 **Mahanakorn University of Technology**
- ITEC1224 Modern Programming Language (Java)

TECHNICAL SKILLS

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|--------------------------|---|
| Programming language | Python, Java, Swift, PHP, Ruby, C/C#, JavaScript, HTML, CSS |
| Web/Mobile Stack & Tools | Android, Laravel, Ruby on Rails, Bootstrap, jQuery, D3, Selenium, Wordpress, MySQL, PostgreSQL, Firebase, CLI |
| Research | Machine Learning, Qualitative Research, Quantitative Research, Experimental Design, Data Analysis, UX Design |